

	<b>DEVELOPMENT SERVICES DEPARTMENT</b>  276 Fourth Avenue, Chula Vista, CA 91910 Phone: (619) 476-5377 Fax: (619) 691-5171	<b>CONSTRUCTION STORM WATER MANAGEMENT PLAN (CSWMP) GUIDELINES FOR PRIVATE DEVELOPMENT</b>
<b>FORM 5504A</b>		

For a development or redevelopment project that results in land disturbance of **less than one acre**, the property owner is required to complete and submit this form 5504A (Construction Storm Water Management Plan (CSWMP)) prior to issuance of any permit.

Projects that disturb one acre or more of land or are part of a larger common plan of development or the sale of one or more acres of disturbed land surface are subject to the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities. Such projects are required to apply to the San Diego Regional Water Quality Control Board for coverage under said Permit and, prepare a Storm Water Pollution Prevention Plan (SWPPP)

The purpose of the CSWMP is to document Best Management Practices (BMPs) that will be implemented to prevent pollutants, including sediment, from entering storm drainage systems and receiving waters. The CSWMP becomes a part of the permit and is subject to enforcement by the City and others. CSWMP includes the elements described in the following sections:

**Section 1: Required Information** - This section provides basic information about the project. Each of the items in this section must be completed.

#### PROJECT INFORMATION

<b>Permit Application Number:</b>	<b>Project start date:</b>
<b>Project Name:</b>	<b>Project finish date:</b>
<b>Project address or location:</b>	
<b>APN:</b>	
<b>Estimated amount of disturbed acreage:</b>	

#### CONTACT INFORMATION

<b>Name of Project Contact Person:</b>
<b>Title:</b>
<b>Address:</b>
<b>Phone #:</b>

**Section 2: Best Management Practices (BMPs)** –Adequate BMPs must be selected and implemented to prevent erosion and to minimize construction-related materials, sediment, wastes and spills from entering storm drainage systems and receiving waters. It is the responsibility of the property owner and the contractor to determine the types of BMPs that will be used, as well as the levels of application necessary to comply with the City's Storm Water Management and Discharge Control, and Grading Ordinances. Failure to prevent soil erosion and discharges of sediment and other pollutants from construction sites is subject to enforcement by the City and others. At a minimum, all BMPs applicable to the project shall be selected from Table A and be installed and maintained. A City inspector may require additional BMPs if selected BMPs are found to be inadequate.

The goal of storm water management planning is to reduce pollution to the Maximum Extent Practicable (MEP) by implementing the following categories of BMPs:

1. Erosion control
2. Sediment control
3. Wind erosion control
4. Tracking control
5. Non-storm water management
6. Waste management & materials pollution control
7. General site management

BMPs from each of the categories must be used together as a system in order to prevent sediment, wastes, spills, and residues from leaving the site. When properly implemented, monitored, and maintained, BMPs will function to prevent pollutants (including sediment) from leaving the site.

#### **Best Management Practices Table A**

Table A must be completed to identify those BMPs that will be used to prevent storm water pollution. At a minimum, the City requires that one or more BMPs from each category listed in Table A be selected and implemented as applicable. However, some BMPs may not be applicable to every project. For example, if storm drain inlets were not present, then Storm Drain Inlet Protection (BMP SE-10) would not be applicable. Alternative storm water protection measures may be presented for City consideration in any category. Detailed descriptions for referenced BMPs are available in the California Stormwater Quality Association (CASQA) Construction BMP Handbook, accessible by subscribing to the CASQA's website BMP Handbooks Portal. Equivalent BMPs can be found in the Caltrans Construction Site BMP Manual, but with different Fact Sheet designations.

Copies of the referenced guidance manuals can be accessed on the web as follows:

1. California Stormwater Quality Association Construction BMP Handbook:  
<http://www.casqa.org>
2. Caltrans Construction Site BMP Manual:  
<http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm>
3. City of Chula Vista Development Storm Water Manual:  
<http://www.chulavistaca.gov/clean/stormwater/developandconst.asp>

#### **Grading Plan/Improvement Plan Best Management Practice Checklist**

The following information shall be shown on the plans:

1. Project boundaries and limits of grading
2. Footprint of all existing and proposed structures and facilities
3. Existing and proposed site grades, along with any intermediate grades that will significantly affect the site drainage patterns
4. Existing and proposed drainage patterns and location(s) where runoff from the site may enter storm drain(s), channel(s), and/or receiving waters
5. Locations of all structural construction BMPs

**TABLE A - REQUIRED CONSTRUCTION BMPs**

Select applicable BMPs from this table by placing a check mark in the appropriate box under the heading "Check Selected BMPs". Submit completed Form 5504A together with your development application package to the City.

Required BMPs	CASQA Handbook BMP Fact Sheet	Check Selected BMPs	If BMPs are not selected, explain why.
<b>Erosion Control BMPs</b>			
Scheduling	EC-1		
Preservation of Existing Vegetation	EC-2		
Hydraulic Mulch (see Note 2)	EC-3		
Hydroseeding (see Note 1)	EC-4		
Soil Binders (see Note 2)	EC-5		
Straw Mulch (see Note 2)	EC-6		
Geotextiles and Mats (see Note 2)	EC-7		
Wood Mulching (see Note 2)	EC-8		
<b>Sediment Control BMPs</b>			
Silt Fence	SE-1		
Sediment Basin (see Note 3)	SE-2		
Sediment Traps (see Note 4)	SC-3		
Check Dams	SC-4		
Fiber Rolls	SE-5		
Gravel Bag Berm	SE-6		
Street Sweeping/Vacuuming	SE-7		
Sandbag Barrier	SE-8		
Straw Bale Barrier	SE-9		
Storm Drain Inlet Protection	SE-10		
<b>Wind Erosion Control BMP</b>			
Wind Erosion Controls (Dust Control BMPs)	WE-1		
<b>Tracking Control BMPs</b>			
Stabilized Construction Entrance/Exit	TC-1		
Stabilized Construction Roadway	TC-2		
<b>Non-Stormwater Management BMPs</b>			
Water Conservation Practices	NS-1		
Dewatering Operations	NS-2		
Paving & Grinding Operations	NS-3		
Illicit Connection/Discharge	NS-6		
Potable Water/Irrigation	NS-7		
Vehicle and Equipment Cleaning	NS-8		
Vehicle and Equipment Fueling	NS-9		
Vehicle and Equipment Maintenance	NS-10		
Concrete Curing	NS-12		
Concrete Finishing	NS-13		

TABLE A - REQUIRED CONSTRUCTION BMPs (continued)			
Required BMPs	CASQA Handbook BMP Fact Sheet	Check Selected BMPs	If BMPs are not selected, explain why.
Waste Management & Materials Pollution Controls BMPs			
Material Delivery and Storage	WM-1		
Material Use	WM-2		
Stockpile Management	WM-3		
Spill Prevention and Control	WM-4		
Solid Waste Management	WM-5		
Hazardous Waste Management	WM-6		
Contaminated Soil Management	WM-7		
Concrete Waste Management	WM-8		
Sanitary/Septic Waste Management	WM-9		
Liquid Waste Management	WM-10		
General Site Management			
Employee and Subcontractor Training	-		

Notes:

1. When planting or hydroseeding methods are selected for erosion control, the vegetative cover must be planted by August 15<sup>th</sup> and established by October 1<sup>st</sup>. If in the opinion of the City inspector the vegetative cover is not established by October 1<sup>st</sup>, additional hydraulic or physical erosion control BMPs will be required.
2. These BMPs are temporary measures only when used without planting or hydroseeding and permanent irrigation systems. All slopes must have established vegetative cover prior to final grading approval.
3. Sediment basins are typically suitable for drainage areas between 5 to 75 acres. If selected, sediment basins shall be designed in accordance with methods provided in the CASQA Handbooks.
4. Sediment traps are suitable for drainage areas less than 5 acres.
5. Alternative storm water protection measures, such as those listed in the Caltrans Construction Site Best Management Practices (BMPs) Manual may also be presented for City consideration in any category.
6. All selected BMPs must be shown on the Grading Plans.

**Section 3: Certification** – The property owner and contractor must sign this section certifying that they understand the City's minimum requirements for storm water management of construction activities and will implement, monitor, and maintain the selected BMPs to ensure their continued effectiveness.

***The following certification must be signed before a Permit is issued.***

I have read and understand City of Chula Vista's requirements for storm water management on construction sites. I certify that the BMPs I have selected in Table A will be implemented to effectively minimize negative impacts of this project's construction activities on storm water quality. I further agree to install, monitor, and maintain additional BMPs as directed by a City Inspector if selected BMPs are found to be inadequate. I also understand that non-compliance with the City's Storm Water and Grading Ordinances may result in enforcement action by the City.

Contracting Company Name: \_\_\_\_\_ Contractor's Representative Name: \_\_\_\_\_

Contractor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Property Owner's Name: \_\_\_\_\_

Property Owner's Signature: \_\_\_\_\_ Date: \_\_\_\_\_